



## **SOUHEGAN TECHNICAL REVIEW COMMITTEE**

### **NH Rivers Management and Protection Program**

New Hampshire Department of Environmental Services

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### **Souhegan TRC Committee Meeting Minutes**

**Friday, January 7, 2005**

**9:30 am – 11:30am**

**DES Auditorium**

#### **Members Present:**

Ralph W. Abele  
Douglas Bechtel  
Representative Richard T. Cooney  
Alden Greenwood  
James MacCartney  
Dr. Brian R. Mrazik  
John R. Nelson  
Carl Paulsen  
Thomas Roy, Vice Chair  
Donald L. Ware

#### **Members Absent:**

William C. Ingham  
Dr. Kenneth D. Kimball, Chair  
Vernon B. Lang  
Senator Russell E. Prescott

#### **Others Present:**

Paul Cote	EarthTech
Dick Freeman	Peterborough Water Resources Commission
Dan Gable	DC Gable Inc. and Simpro LLC
Phil Harte	USGS
Alex Levy	Gomez and Sullivan
Tom Mack	USGS
John Magee	NH Fish and Game
Larry Major	Pine Industries
Tom Neforas	Town of Milford
Allan Palmer	PSNH
Ralph Pears	Monadnock Mountain Spring Water
Jesse Schwalbaum	EarthTech
Gary Smith	EarthTech
Dan Tinkham	Emery & Garrett Groundwater, Inc. (EGGI)
Susan Wall	Andover Geologic Consulting
Mark Walker	Simpro Controls

#### **DES Staff Present:**

Wayne Ives, Instream Flow Coordinator  
Paul Currier, Administrator, Watershed Management Bureau  
Rick Chormann, Water Supply Engineering  
Dave Neils, Watershed Management Bureau  
Pierce Rigrod, Waste Management Division  
Marie Loskamp, Executive Secretary, Watershed Management Bureau

#### **Presenters:**

Thomas Ballestero, University of New Hampshire  
Piotr Parasiewicz, University of Massachusetts

**9:30 – 9:35** Tom Roy, Vice Chair of the Souhegan Technical Review Committee, called the meeting to order

**Acceptance of July 30, 2004 minutes**

- **Ralph Abele made a motion to accept the minutes of the July 30, 2004 meeting as presented. John Nelson seconded the motion and it was unanimously voted.**

**9:35 – 10:40 UNH Presentation and questions –Tom Ballestero  
Groundwater withdrawal impacts on stream flow (Task 2)**

A preliminary review draft report “Draft Method for Assessing Groundwater Withdrawals” was handed out at the meeting and is available on the UNH and DES websites (<http://www.des.state.nh.us/rivers/instream/pdf/GWMethod.pdf> and [http://www.unh.edu/erg/souhegan/Method\\_for\\_Assessing\\_Affected\\_Water\\_User\\_Groundwater-Withdrawal.pdf](http://www.unh.edu/erg/souhegan/Method_for_Assessing_Affected_Water_User_Groundwater-Withdrawal.pdf)).

Tom Ballestero presented methods for assessing groundwater withdrawal impacts on stream flow (Task 2). These methods will determine if wells are inducing recharge from the stream. The presentation is available at [http://www.des.state.nh.us/rivers/instream/Task\\_2\\_Methodology.ppt](http://www.des.state.nh.us/rivers/instream/Task_2_Methodology.ppt). Comments on Tom’s presentation should be submitted directly to Wayne Ives at DES.

**10:40 – 11:45 NHDES Presentation and questions – Wayne Ives  
CUT Curve Analysis of MESOHabsim**

Wayne Ives presented the CUT (Continuous Under Threshold) curve assessment method. This is a process to make management decisions based on flow magnitude, frequency, duration and timing. Decisions about how to manage flows looking at the negative times when thresholds are above or the habitat is under that threshold. Wayne showed the process of creating a rating curve using the MesoHABSIM model, and developing and interpreting CUT curves. His power point presentation is available through file transfer protocol at <ftp://ftp.des.state.nh.us/Watershed/Water%20Quality/>, or the website version at <http://www.des.state.nh.us/rivers/instream/souhegan.asp?link=meetings&meet=trc> under January 7, 2005's meeting.

**Tom Roy reiterated that any questions or comments on either presentations, please email to Wayne.**

**11:45 – 12:00 Next Meeting**

**Wayne suggested the next meeting will probably be in March or April, 2005 to review the results from the groundwater/surface water interactions assessment.**

**Ralph Abele made a motion to adjourn the meeting, seconded by John Nelson and it was unanimous voted to adjourn.**

**12:00 Noon Meeting adjourns**